

16519 U.S.P.T.O.
123003UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

| | |
|------------------------|-------------------|
| Attorney Docket No. | 15114H-071400US |
| First Inventor | Dhanoa, Kulwinder |
| Title | SDRAM CONTROLLER |
| Express Mail Label No. | EV3308551 |

31353 10749910
U.S.P.T.O.

123003

| | | | |
|---|---|-------------------|--|
| APPLICATION ELEMENTS | | ADDRESS TO | Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 |
| See MPEP chapter 600 concerning design patent application contents. | | | |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i> | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) | | |
| 2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. | 8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i> | | |
| 3. <input checked="" type="checkbox"/> Specification <i>[Total Pages 16]</i> <i>(preferred arrangement set forth below)</i> - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (<i>if filed</i>) - Detailed Description - Claim(s) - Abstract of the Disclosure | 9. <input type="checkbox"/> Computer Readable Form (CRF) | | |
| 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) <i>[Total Sheets 3]</i> | 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of <i>(when there is an assignee)</i> Attorney | | |
| 5. Oath or Declaration <i>[Total Pages]</i> | 11. <input type="checkbox"/> English Translation Document (<i>if applicable</i>) | | |
| a. <input type="checkbox"/> Newly executed (original or copy) | 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations | | |
| b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) <i>(for a continuation/divisional with Box 18 completed)</i> | 13. <input type="checkbox"/> Preliminary Amendment | | |
| i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). | 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> | | |
| 6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 | 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> | | |
| | 16. <input checked="" type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent | | |
| | 17. <input checked="" type="checkbox"/> Other: Permit to File Abroad | | |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP) of prior application No: _____
Prior application information: Examiner _____ Art Unit: _____

For CONTINUATION OF DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

| | | | | |
|---|--|----------|--|-------------------|
| <input checked="" type="checkbox"/> Customer Number | 20350 | | OR <input type="checkbox"/> Correspondence address below | |
| Name | | | | |
| Address | | | | |
| City | State | Zip Code | | |
| Country | Telephone | Fax | | |
| Name (Print/Type) | Babak S. Sani | | Registration No. (Attorney/Agent) | 37,495 |
| Signature |  | | Date | December 30, 2003 |



FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 770)

Complete if Known

| | |
|----------------------|-------------------|
| Application Number | |
| Filing Date | |
| First Named Inventor | Dhanoa, Kulwinder |
| Examiner Name | |
| Art Unit | |
| Attorney Docket No. | 15114H-071400US |

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None
 Deposit Account:

Deposit Account Number 20-1430

Deposit Account Name Townsend and Townsend and Crew LLP

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity | Fee Code | Fee (\$) | Small Entity | Fee Code | Fee (\$) | Fee Description | Fee Paid |
|--------------|----------|----------|--------------|----------|----------|--|----------|
| | 1051 | 130 | | 2051 | 65 | Surcharge - late filing fee or oath | |
| | 1052 | 50 | | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| | 1053 | 130 | | 1053 | 130 | Non-English specification | |
| | 1812 | 2,520 | | 1812 | 2,520 | For filing a request for reexamination | |
| | 1804 | 920* | | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| | 1805 | 1,840* | | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| | 1251 | 110 | | 2251 | 55 | Extension for reply within first month | |
| | 1252 | 420 | | 2252 | 210 | Extension for reply within second month | |
| | 1253 | 950 | | 2253 | 475 | Extension for reply within third month | |
| | 1254 | 1,480 | | 2254 | 740 | Extension for reply within fourth month | |
| | 1255 | 2,010 | | 2255 | 1,005 | Extension for reply within fifth month | |
| | 1401 | 330 | | 2401 | 165 | Notice of Appeal | |
| | 1402 | 330 | | 2402 | 165 | Filing a brief in support of an appeal | |
| | 1403 | 290 | | 2403 | 145 | Request for oral hearing | |
| | 1451 | 1,510 | | 1451 | 1,510 | Petition to institute a public use proceeding | |
| | 1452 | 110 | | 2452 | 55 | Petition to revive - unavoidable | |
| | 1453 | 1,330 | | 2453 | 665 | Petition to revive - unintentional | |
| | 1501 | 1,330 | | 2501 | 665 | Utility issue fee (or reissue) | |
| | 1502 | 480 | | 2502 | 240 | Design issue fee | |
| | 1503 | 640 | | 2503 | 320 | Plant issue fee | |
| | 1460 | 130 | | 1460 | 130 | Petitions to the Commissioner | |
| | 1807 | 50 | | 1807 | 50 | Petitions related to provisional applications | |
| | 1806 | 180 | | 1806 | 180 | Submission of Information Disclosure Stmt | |
| | 8021 | 40 | | 8021 | 40 | Recording each patent assignment per property (times number of properties) | |
| | 1809 | 770 | | 2809 | 385 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| | 1810 | 770 | | 2810 | 385 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| | 1801 | 770 | | 2801 | 385 | Request for Continued Examination (RCE) | |
| | 1802 | 900 | | 1802 | 900 | Request for expedited examination of a design application | |
| | | | | | | Other fee (specify) | |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| | | Fee from below | Fee Paid |
|--------------------|----|--------------------|----------|
| Total Claims | 13 | -20** = 0 X \$18 = | \$0 |
| Independent Claims | 3 | -3** = 0 X \$86 = | \$0 |
| Multiple Dependent | | X = | |

| | | Fee Description |
|---------------|---------------|--|
| Large Entity | Small Entity | |
| Fee Code (\$) | Fee Code (\$) | |
| 1202 18 | 2202 9 | Claims in excess of 20 |
| 1201 86 | 2201 43 | Independent claims in excess of 3 |
| 1203 290 | 2203 145 | Multiple dependent claim, if not paid |
| 1204 86 | 2204 43 | ** Reissue independent claims over original patent |
| 1205 18 | 2205 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$0)

**or number previously paid, if greater; For Reissues, see above

*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)

SUBMITTED BY

Complete (if applicable)

| | | | | | |
|-------------------|---------------|-----------------------------------|--------|-----------|-------------------|
| Name (Print/Type) | Babak S. Sani | Registration No. (Attorney/Agent) | 37,495 | Telephone | 415-576-0200 |
| Signature | | | | Date | December 30, 2003 |

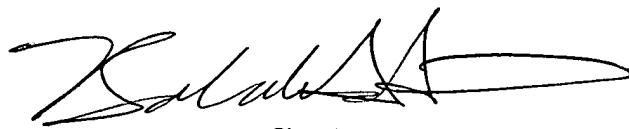
**NONPUBLICATION REQUEST
UNDER
35 U.S.C. 122(b)(2)(B)(i)**

| | |
|----------------------|-------------------|
| First Named Inventor | Dhanoa, Kulwinder |
| Title | SDRAM CONTROLLER |
| Atty Docket Number | 15114H-071400 |

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

December 30, 2003
Date



Signature

(415) 576-0200
Telephone Number

Babak S. Sani / Reg. No. 37,495
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**



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NP10 8QQ

16 December 2003

PERMIT TO FILE ABROAD
Section 23(1), Patents Act 1977

KULWINDER DHANOA

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is/are hereby authorised to file or cause to be filed outside the United Kingdom an application
for a patent in respect of an invention called.

MEMORY CONTROLLER

and described in the documents submitted to this Office.

A. J. on
M G WILSON
for the Comptroller

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DP Per 2/77